## (12)

## **EUROPEAN PATENT APPLICATION**

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- (A) Polypeptides stabilized by covalent hydrogen bond replacements.
- © Polypeptides are restricted to particular conformations in solution by replacing one or more hydrogen bonds with covalent hydrogen bond mimics of class 1 or class 2:

The polypeptides thus stabilized are capable of greater biological activity.

EP 89 30 3469

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with	i indication, where appropriate, ant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CI.5)	
×	UCLA SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, new series, vol. 69, PROTEIN STRUCTURE, FOLDING, AND DESIGN, 1987, pages 453-465, Alan R. Liss, Inc., New York, US; T. ARRHENIUS et al.: "The chemical synthesis of structured peptides using covalent hydrogen-bond nimics"  * Complete article *		1-5	C 07 K 7/00 C 07 K 7/02 C 07 K 3/08 C 07 K 5/08	
X	VACCINE, vol. 6, April 1988, & Co. (Publishers) Ltd; A.C. "Conformational restriction covalent replacements for the Complete article."	SATTERTHWAIT et al.: of peptidyl immunogens with	1-5		
A	EP-A-0 127 234 (ENI) * Completely *		1		
Α	EP-A-0 185 320 (ENIRICEI * Completely *	RCHE S.p.A.)	1		
A	EP-A-0 257 742 (ADMIN. Tompletely *	OLANE ED. F.)	1-5	TECHNICAL FIELDS SEARCHED (Int. CI.5)  C 07 K	
	The present search report has	been drawn up for all claims			
Place of search Date of completion of search				Examiner	
The Hague 24 May 91				RAJIC M.	

- CATEGORY OF CITED DOCUMENTS

  X: particularly relevant if taken alone
  Y: particularly relevant if combined with another document of the same catagory
  A: technological background
  O: non-written disclosure
  P: intermediate decument

- P: intermediate document
  T: theory or principle underlying the invention
- E: earlier patent document, but published on, or after the filling date
  D: document cited in the application
  L: document cited for other reasons

- &: member of the same patent family, corresponding document